

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/002,485DATE: 02/07/98
TIME: 14:21:12

INPUT SET: S23256.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Lal, Preeti
Hillman, Jennifer L.
Corley, Neil C.
Guegler, Karl J.
Baugh, Mariah
Sather, Susan
Shah, Purvi

(ii) TITLE OF INVENTION: HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS

(iii) NUMBER OF SEQUENCES: 154

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
(B) STREET: 3174 PORTER DRIVE
(C) CITY: PALO ALTO
(D) STATE: CALIFORNIA
(E) COUNTRY: USA
(F) ZIP: 94304

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: TO BE ASSIGNED
(B) FILING DATE: HERewith
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: BILLINGS, LUCY J.
(B) REGISTRATION NUMBER: 36,749
(C) REFERENCE/DOCKET NUMBER: PF-0459 US

ENTERED

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06

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/002,485DATE: 02/07/98
TIME: 14:21:16

INPUT SET: S23256.raw

47 (ix) TELECOMMUNICATION INFORMATION:
48 (A) TELEPHONE: (650) 855-0555
49 (B) TELEFAX: (650) 845-4166
50
51
52

53 (2) INFORMATION FOR SEQ ID NO: 1:
54

55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH: 348 amino acids
57 (B) TYPE: amino acid
58 (C) STRANDEDNESS: single
59 (D) TOPOLOGY: linear
60

61 (vii) IMMEDIATE SOURCE:
62 (A) LIBRARY: HEARNOT01
63 (B) CLONE: 305841
64

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1 :
66

67 Met Ala Ala Thr Leu Gly Pro Leu Gly Ser Trp Gln Gln Trp Arg
68 5 10 15
69 Arg Cys Leu Ser Ala Arg Asp Gly Ser Arg Met Leu Leu Leu Leu
70 20 25 30
71 Leu Leu Leu Gly Ser Gly Gln Gly Pro Gln Gln Val Gly Ala Gly
72 35 40 45
73 Gln Thr Phe Glu Tyr Leu Lys Arg Glu His Ser Leu Ser Lys Pro
74 50 55 60
75 Tyr Gln Gly Val Gly Thr Gly Ser Ser Ser Leu Trp Asn Leu Met
76 65 70 75
77 Gly Asn Ala Met Val Met Thr Gln Tyr Ile Arg Leu Thr Pro Asp
78 80 85 90
79 Met Gln Ser Lys Gln Gly Ala Leu Trp Asn Arg Val Pro Cys Phe
80 95 100 105
81 Leu Arg Asp Trp Glu Leu Gln Val His Phe Lys Ile His Gly Gln
82 110 115 120
83 Gly Lys Lys Asn Leu His Gly Asp Gly Leu Ala Ile Trp Tyr Thr
84 125 130 135
85 Lys Asp Arg Met Gln Pro Gly Pro Val Phe Gly Asn Met Asp Lys
86 140 145 150
87 Phe Val Gly Leu Gly Val Phe Val Asp Thr Tyr Pro Asn Glu Glu
88 155 160 165
89 Lys Gln Gln Glu Arg Val Phe Pro Tyr Ile Ser Ala Met Val Asn
90 170 175 180
91 Asn Gly Ser Leu Ser Tyr Asp His Glu Arg Asp Gly Arg Pro Thr
92 185 190 195
93 Glu Leu Gly Gly Cys Thr Ala Ile Val Arg Asn Leu His Tyr Asp
94 200 205 210
95 Thr Phe Leu Val Ile Arg Tyr Val Lys Arg His Leu Thr Ile Met
96 215 220 225
97 Met Asp Ile Asp Gly Lys His Glu Trp Arg Asp Cys Ile Glu Val
98 230 235 240
99 Pro Gly Val Arg Leu Pro Arg Gly Tyr Tyr Phe Gly Thr Ser Ser

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100		245		250		255
101	Ile Thr Gly Asp	Leu Ser Asp Asn His	Asp Val Ile Ser Leu	Lys		
102		260		265		270
103	Leu Phe Glu Leu	Thr Val Glu Arg Thr	Pro Glu Glu Glu Lys	Leu		
104		275		280		285
105	His Arg Asp Val	Phe Leu Pro Ser Val	Asp Asn Met Lys Leu	Pro		
106		290		295		300
107	Glu Met Thr Ala	Pro Leu Pro Pro Leu	Ser Gly Leu Ala Leu	Phe		
108		305		310		315
109	Leu Ile Val Phe	Phe Ser Leu Val Phe	Ser Val Phe Ala Ile	Val		
110		320		325		330
111	Ile Gly Ile Ile	Leu Tyr Asn Lys Trp	Gln Glu Gln Ser Arg	Lys		
112		335		340		345
113	Arg Phe Tyr					
114						
115						
116						
117						

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 194 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: EOSIHET02
- (B) CLONE: 322866

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2 :

132	Met Gly Met Ser Ser	Leu Lys Leu Leu	Lys Tyr Val Leu Phe	Phe
133		5	10	15
134	Phe Asn Leu Leu Phe	Trp Ile Cys Gly Cys	Cys Ile Leu Gly Phe	
135		20	25	30
136	Gly Ile Tyr Leu Leu	Ile His Asn Asn Phe	Gly Val Leu Phe His	
137		35	40	45
138	Asn Leu Pro Ser Leu	Thr Leu Gly Asn Val	Phe Val Ile Val Gly	
139		50	55	60
140	Ser Ile Ile Met Val	Val Ala Phe Leu Gly	Cys Met Gly Ser Ile	
141		65	70	75
142	Lys Glu Asn Lys Cys	Leu Leu Met Ser Phe	Phe Ile Leu Leu Leu	
143		80	85	90
144	Ile Ile Leu Leu Ala	Glu Val Thr Leu Ala	Ile Leu Leu Phe Val	
145		95	100	105
146	Tyr Glu Gln Lys Leu	Asn Glu Tyr Val Ala	Lys Gly Leu Thr Asp	
147		110	115	120
148	Ser Ile His Arg Tyr	His Ser Asp Asn Ser	Thr Lys Ala Ala Trp	
149		125	130	135
150	Asp Ser Ile Gln Ser	Phe Leu Gln Cys Cys	Gly Ile Asn Gly Thr	
151		140	145	150
152	Ser Asp Leu Asp Ser	Gly Ser Pro Ala Ser	Cys Pro Ser Asp Arg	

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153		155		160		165
154	Lys Val Glu Gly	Cys Tyr Ala Lys Glu	Asp Phe Gly Phe Ile	Gln		
155		170		175		180
156	Phe Pro Val Tyr	Arg Asn His His His	Leu Cys Met Cys Asp			
157		185		190		

158
159
160
161

162 (2) INFORMATION FOR SEQ ID NO: 3:

163

164 (i) SEQUENCE CHARACTERISTICS:

165 (A) LENGTH: 342 amino acids

166 (B) TYPE: amino acid

167 (C) STRANDEDNESS: single

168 (D) TOPOLOGY: linear

169

170 (vii) IMMEDIATE SOURCE:

171 (A) LIBRARY: BEPINOT01

172 (B) CLONE: 546656

173

174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3 :

175

176	Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala	
177		5 10 15
178	Pro Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys	
179		20 25 30
180	Arg Phe Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn	
181		35 40 45
182	Lys Val Gln Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile	
183		50 55 60
184	Cys Arg Asn Thr Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met	
185		65 70 75
186	Trp Ile Pro Asp Thr Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr	
187		80 85 90
188	Ser Gly Asp Tyr Leu Arg Val Trp Arg Val Gly Glu Thr Glu Thr	
189		95 100 105
190	Arg Leu Glu Cys Leu Leu Asn Asn Asn Lys Asn Ser Asp Phe Cys	
191		110 115 120
192	Ala Pro Leu Thr Ser Phe Asp Trp Asn Glu Val Asp Pro Tyr Leu	
193		125 130 135
194	Leu Gly Thr Ser Ser Ile Asp Thr Thr Cys Thr Ile Trp Gly Leu	
195		140 145 150
196	Glu Thr Gly Gln Val Leu Gly Arg Val Asn Leu Val Ser Gly His	
197		155 160 165
198	Val Lys Thr Gln Leu Ile Ala His Asp Lys Glu Val Tyr Asp Ile	
199		170 175 180
200	Ala Phe Ser Arg Ala Gly Gly Gly Arg Asp Met Phe Ala Ser Val	
201		185 190 195
202	Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His Leu Glu	
203		200 205 210
204	His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu Leu	
205		215 220 225

RAW SEQUENCE LISTING PATENT APPLICATION US/09/002,485

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206 Arg Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met
207                               230           235           240
208 Ala Met Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro
209                               245           250           255
210 Cys Thr Pro Val Ala Arg Leu Asn Asn His Arg Ala Cys Val Asn
211                               260           265           270
212 Gly Ile Ala Trp Ala Pro His Ser Ser Cys His Ile Cys Thr Ala
213                               275           280           285
214 Ala Asp Asp His Gln Ala Leu Ile Trp Asp Ile Gln Gln Met Pro
215                               290           295           300
216 Arg Ala Ile Glu Asp Pro Ile Leu Ala Tyr Thr Ala Glu Gly Glu
217                               305           310           315
218 Ile Asn Asn Val Gln Trp Ala Ser Thr Gln Pro Asp Trp Ile Ala
219                               320           325           330
220 Ile Cys Tyr Asn Asn Cys Leu Glu Ile Leu Arg Val
221                               335           340
222
223
224
225

```

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 656 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: SYNORAT03
- (B) CLONE: 693453

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4 :

```

240 Met Glu Glu Leu Asp Gly Glu Pro Thr Val Thr Leu Ile Pro Gly
241                               5           10           15
242 Val Asn Ser Lys Lys Asn Gln Met Tyr Phe Asp Trp Gly Pro Gly
243                               20           25           30
244 Glu Met Leu Val Cys Glu Thr Ser Phe Asn Lys Lys Glu Lys Ser
245                               35           40           45
246 Glu Met Val Pro Ser Cys Pro Phe Ile Tyr Ile Ile Arg Lys Asp
247                               50           55           60
248 Val Asp Val Tyr Ser Gln Ile Leu Arg Lys Leu Phe Asn Glu Ser
249                               65           70           75
250 His Gly Ile Phe Leu Gly Leu Gln Arg Ile Asp Glu Glu Leu Thr
251                               80           85           90
252 Gly Lys Ser Arg Lys Ser Gln Leu Val Arg Val Ser Lys Asn Tyr
253                               95          100          105
254 Arg Ser Val Ile Arg Ala Cys Met Glu Glu Met His Gln Val Ala
255                               110         115          120
256 Ile Ala Ala Lys Asp Pro Ala Asn Gly Arg Gln Phe Ser Ser Gln
257                               125         130          135
258 Val Ser Ile Leu Ser Ala Met Glu Leu Ile Trp Asn Leu Cys Glu

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/002,485

DATE: 02/07/98
TIME: 14:21:31

INPUT SET: S23256.raw

Line	Error	Original Text
36	Wrong application Serial Number	(A) APPLICATION NUMBER: TO BE ASSIGNED